

DIAMOND

Fiber Optic Tools

FIELD TERMINATION

GENERAL DESCRIPTION

Based on the known Diamond ZEUS D50 Fusion splicer, which provides fast, easy, and high performance field terminations of Splice-On Connectors (SOC), we have developed a new Kit with the aim of simplifying the field repair or termination of HE connectors.

The Kit contains everything that is needed to prepare, handle and splice tough outdoor/military and industrial cables with an outer diameter of 3 mm to 8 mm, including a cleaver and an automated stripping machine with heated jaws. Once the cable is fixed on a sliding holder, all three operations can be carried out without additional cable manipulation.

Everything is stored safely in an IP64 hard case which also acts as a working surface in harsh environments.

The ultra compact all-in-one system can be taken out of the case for easy handling.

FEATURES AND BENEFITS

- ▶ User friendly all-in-one system allows stripping, cleaving and splicing processes to be carried out in order to ensure safe cable manipulations
- ▶ Optional sets available for terminating the following Diamond harsh environment connectors: OD3, F-3000™ ODVA, X-BEAM Fusion (only on MM fiber), revos E-2000, HE-2000 and MIL-38999 style.
- ▶ Optional sets available for terminating Diamond E-2000™, F-3000™, SC, FC and ST™ **Splice-On Connectors (SOC)**
- ▶ Enhanced cable handling for 3-8mm outdoor/Mil cables thanks to special holders granting a higher splice yield
- ▶ Complete Kit of all the tools required to carry out all processes ranging from cable preparation to connector body assembly
- ▶ IP64 carrying case for use in harsh environments

ZEUS D50 HE KIT DATA

- ▶ Dimensions and weight: (L x W x D): 520x435x230 mm , 15 Kg

SPECIFICATIONS FOR "SOC" ASSEMBLED WITH Alberino HE

	MULTIMODE 0° PC	SINGLE MODE 0° PC	SINGLE MODE 8° APC	UNITS	TEST CONDITIONS
Insertion Loss (IL)	typ. 0.2 max 0.5	typ. 0.25 max. 0.5	typ 0.25 max. 0.5	dB	IEC 61300-3-4; $\lambda = 1300/1550\text{nm}$
Return Loss (RL)	min. 40	min. 50	min. 70*	dB	IEC 61300-3-6; $\lambda = 1300/1550\text{nm}$
Repeatability of IL	max. ± 0.1			dB	IEC 61300-2-2; $\lambda = 1300/1550\text{nm}$
Service life	1000 mate/demate cycles				According to field experiences
Operating temperature	-40/+85**			°C	

* Measured with high precision reflectometer

** May be further limited by cable specifications

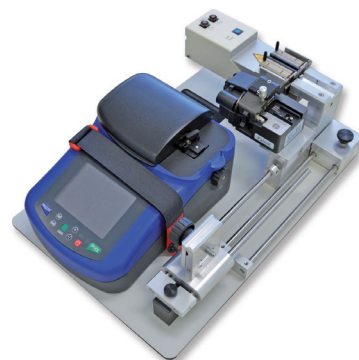
ZEUS D50 HE

(Complete Kit with hard case)

SINGLE MODE
MULTIMODE



ZEUS D50 HE kit



Removable all-in-one system



Alberino HE



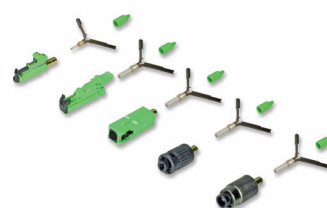
MAIN CONTENTS OF THE BASE KIT

- ▶ Diamond Zeus D50 HE fusion splicer with power supply, power cable and user manual
- ▶ High-performance automatic thermal cable stripper (Schleuniger)
- ▶ Fiber cleaver
- ▶ Mounting plate with rail guide and cable fixing holders
- ▶ Complete toolkit with fiber pliers and alberino holders
- ▶ Robust IP64 carrying case
- ▶ All the required consumables

AVAILABLE OPTIONAL ASSEMBLING KITS (with assembly instructions)

For HE connectors:

- ▶ OD3 Fusion
- ▶ X-BEAM Fusion
- ▶ revos E-2000 Fusion
- ▶ F-3000™ ODVA Fusion
- ▶ HE-2000 Fusion
- ▶ MIL-38999 Fusion



For Splice On Connectors (SOC):

- ▶ E-2000™ und F-3000™ Fusion
- ▶ SC Fusion
- ▶ FC Fusion
- ▶ ST™ Fusion

FOR CROCODILE SPLICE UNIT



NOTE - Upgrade kit from standard ZEUS D50 Fusion splicer to ZEUS D50 HE available upon request

ORDER INFORMATION

Please refer to the part numbers provided in the separate P/N list.

For other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the www.diamond-fo.com website.